

P.O. Box 515 130 Allen Brook Lane Williston, VT 05495

Phone: (802) 878-5138 Toll Free: (800) 723-4432 Fax: (802) 878-6765

March 29, 2006

Darrel Andrews
Tarrant Regional Water Dist.
Eastern Division
Streetman, TX 75859

Subject:

Data Package Eligible for Submission for LT2 Grandfathering

Dear Darrell:

This letter is in reference to the quality control requirements for grandfathered *Cryptosporidium* results generated for compliance with the Long Term 2 Enhanced Surface Water Treatment Rule (LT2), as specified in Section IV, A,1,g of the Federal Register/Vol. 71, No. 3/January 5, 2006.

Analytical Services, Inc. (ASI) has been approved under the EPA Laboratory Quality Assurance Evaluation Program. ASI hereby certifies that the samples below were analyzed in accordance with EPA Method 1623 and LT2 requirements, that the appropriate number of matrix spike samples were analyzed at the required frequency, and that all method-required quality control elements (including sample temperature upon receipt, ongoing precision and recovery and method blank results, holding times, and positive and negative staining controls) were met for each field and matrix spike sample.

**Tarrant Regional Water District** 

Site	Date Range	Frequency	# of Field Samples
Arlington	February 3, 2004-January 3, 2006	Once a month	24

ASI's reports and this letter should be included in the grandfathered data package submitted to the EPA for bin classification.

Please contact ASI at (800) 723-4432 if you have any questions or require additional information.

Sincerely,

ANALYTICAL SERVICES, INC.

Paul S. Warden Vice President

RECEIVED

Web site: www.analyticalservices.com

	Lake Arlington - Sample Information					
TCEQ Site ID # - 13904			ICR Prefix - 643			
#	Date Sampled	Sample ID	Clump?	MS?	Matrix Spike ID	
1	3/9/2004	2004-0310-021			<u> </u>	
2	4/6/2004	2004-0407-006				
3	5/4/2004	2004-0505-031				
4	6/8/2004	2004-0609-047		Υ	2004-0609-048	
5	7/6/2004	2004-0707-049				
6	8/3/2004	2004-0804-026				
7	9/7/2004	2004-0908-015				
8	10/5/2004	2004-1006-044			·	
9	11/2/2004	2004-1103-044				
10	12/7/2004	2004-1208-037				
11	1/4/2005	2005-0105-040				
12	2/8/2005	2005-0209-051				
13	3/8/2005	2005-0310-027				
14	4/5/2005	2005-0406-041				
15	5/3/2005	2005-0504-032				
16	6/7/2005	2005-0608-018				
17	7/12/2005*	2005-0713-028				
18	8/2/2005	2005-0803-017				
19	9/6/2005	2005-0907-019				
20	10/4/2005	2005-1005-033				
21	11/8/2005	2005-1109-026				
22	12/6/2005	2005-1207-037				
23	1/3/2006	2006-0104-029		Υ	2006-0104-030	
24	2/7/2006	2006-0208-038				

<sup>\*</sup>sampled 07/05/2005, sample leaked; resampled 07/12/2005



Client: Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: February 18, 2004

PAGE

Sample Receipt Date: February 4, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2004-0204-032

Quality Control Batch No.: 255-12

Method Blank Laboratory No.; 2004-0204-007

Ongoing Precision and Recovery Laboratory No.: 2004-0204-006

Sample Information

Client Sample ID:	AR-02-04-PROTO			
Collection Date:	February 3, 2004			
Collection Time:	1240 hrs			
Matrix:	raw surface water			
Sample Turbidity (NTU):	10.8			
Sample Type;	field			

Volume and Filtration Information

Filter Type:	Gelman HV	,
Volume Filtered (L):	10.0	
Volume Examined (L):	10,0*	

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	Ō	0

'Method:

Samples processed, stained and examined using USEPA Method 1623; Cryptospondium and Giardia in Water by Fillration, immunomagnetic separation (IMS), and immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Nate:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

Project No.: 2004-0204-029

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: March 22, 2004

Sample Receipt Date: March 10, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-0310-021

Quality Control Batch No.: 260-12

Method Blank Laboratory No.: 2004-0310-017

Ongoing Precision and Recovery Laboratory No.: 2004-0310-016

Sample Information

·		
Client Sample ID:	AR-3-04-PROTO	
Collection Date:	March 9, 2004	
Collection Time:	1200 hrs	
Matrix:	raw surface water	
Sample Turbidity (NTU):	14.7	
Sample Type:	field	
Cumpic (JPC)		

Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Volume Examined (L):	10.0*	

Analytical Results

	/ 1, 1, d. 1 , d. 1 , t. 1 , d. 1	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	1.0	0.1
Cryptosporidium	0	0

1 Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0310-020



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: April 19, 2004

Sample Receipt Date: April 7, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-0407-006

Quality Control Batch No.: 2642

Method Blank Laboratory No.: 2004-0405-002

Ongoing Precision and Recovery Laboratory No.: 2004-0405-001

Sample Information

Client Sample ID:	AR-4-04-PROTO
Collection Date:	April 6, 2004
Collection Time:	1100 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	12.2
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

용화 보통 : 22 (1921년 - 1922년 - 1922년 - 1921년 - 1		
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0407-006



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

May 21, 2004

Sample Receipt Date:

May 5, 2004

Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-0505-031

Quality Control Batch No.: 268-12

Method Blank Laboratory No.: 2004-0505-020

Ongoing Precision and Recovery Laboratory No.: 2004-0505-019

Sample Information

AR-05-04-PROTO	
May 4, 2004	
1050 hrs	
raw surface water	
10.5	
field	·
	1050 hrs raw surface water 10.5

Volume and Filtration Information

3.7.17(38):	
Filter Type:	Gelman HV
Wolume Filtered (L):	10.0
Wolume Filtered (L):   Wolume Examined (L):	10.0

Analytical Results

ÄNALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

Note:

Met applicable Method 1623 acceptance criteria.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0505-031



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: June 23, 2004

Sample Receipt Date: June 9, 2004

Analyst: sec

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2004-0609-047

Quality Control Batch No.: 273-22

Method Blank Laboratory No.: 2004-0609-038

Ongoing Precision and Recovery Laboratory No.: 2004-0609-037

Sample Information

Client Sample ID:	AR-06-04-PROTO
Collection Date:	June 8, 2004
Collection Time:	1040 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.21
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	, 1, 1d, y c, o ca, 1, 10 o ca, 10	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

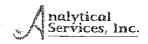
Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0609-041



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

June 23, 2004

Sample Receipt Date:

June 9, 2004

Analyst:

# USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium Analytical Report Matrix Spike

ASI Sample ID No.: 2004-0609-048

Quality Control Batch No.: 273-22

Method Blank Laboratory No.: 2004-0609-038

Ongoing Precision and Recovery Laboratory No.: 2004-0609-037

Sample Information

Client Sample ID:	AR-06-04-PROTO Matrix Spike
Collection Date:	June 8, 2004
Collection Time:	1040 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.21
Sample Type:	Matrix Spike <sup>3</sup>

#### Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Spiked (L):	10.0	
Volume Filtered (L):	10.0	
Volume Examined (L):	10.0*	

Analytical Results

ANALYTE	ESTIMATED NUMBER OF ORGANISMS SPIKED	NUMBER OF ORGANISMS SEEDED / LITER	TOTAL MICROSCOPIC COUNT/LITER	PERCENT RECOVERY
Giardia	99	9.9	5.0	50.5
Cryptosporidium	99	9,9	7.1	71.7

<sup>1</sup>Method;

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup>Note:

Met applicable Method 1623 acceptance criteria.

3 Note:

A Matrix Spike entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's occyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20<sup>th</sup> sample thereafter. Percent recoveries are calculated for MS samples to evaluate acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

\*Note:

PWS ID sli 2290199 liters each were examined using IMS and IFA.

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0609-041



Client: Tarrant Regional Water District

Address: 140 FM416

Streetman, TX 75859-3019

Report Date: July 20, 2004

Sample Receipt Date:

July 7, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2004-0707-049

Quality Control Batch No.: 2772

Method Blank Laboratory No.: 2004-0706-002

Ongoing Precision and Recovery Laboratory No.: 2004-0706-001

Sample Information

Ourne	,, 6 ,, 6 ,
Client Sample ID:	AR-07-04-PROTO
Collection Date:	July 6, 2004
Collection Time:	1035 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	9.19
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Volume Examined (L):	10.0*	

Analytical Results

	- Fillary Goal Troodito	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0707-048



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

August 18, 2004

Sample Receipt Date:

August 4, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-0804-026

Quality Control Batch No.: 281-12

Method Blank Laboratory No.: 2004-0804-022

Ongoing Precision and Recovery Laboratory No.: 2004-0804-021

Sample Information

Client Sample ID:	AR-08-04-PROTO
Collection Date:	August 3, 2004
Collection Time:	1045 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	69.2
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	TOTAL MICROSCOPIC	
ANALYTE	COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

Met applicable Method 1623 acceptance criteria.

<sup>2</sup> Note: \*Note:

Four (4) aliquots of 2.5 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0804-023



Tarrant Regional Water District

140 FM416 Address:

Streetman, TX 75859-3019

Report Date: September 27, 2004

Sample Receipt Date:

September 8, 2004 Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-0908-015

Quality Control Batch No.: 2862

Method Blank Laboratory No.: 2004-0907-002

Ongoing Precision and Recovery Laboratory No.: 2004-0907-001

Sample Information

Client Sample ID:	AR-09-04-PROTO
Collection Date:	September 7, 2004
Collection Time:	1115 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	6.95
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	Allalytical Acousto	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

2 Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-0908-014



Client: Address: Tarrant Regional Water District

140 FM416

Streetman, TX 75859-3019

Report Date: October 26, 2004

Sample Receipt Date:

October 6, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-1006-044

Quality Control Batch No.: 290-22

Method Blank Laboratory No.: 2004-1006-038

Ongoing Precision and Recovery Laboratory No.: 2004-1006-037

Sample Information

• • • • • • • • • • • • • • • • • • •	
Client Sample ID:	AR 10-04 PROTO
Collection Date:	October 5, 2004
Collection Time:	1135 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	8.48
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	, in the same of t	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-1006-043



Tarrant Regional Water District

140 FM416 Address:

Streetman, TX 75859-3019

Report Date: November 19, 2004

Sample Receipt Date:

November 3, 2004

Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-1103-044

Quality Control Batch No.: 294-12

Method Blank Laboratory No.: 2004-1103-037

Ongoing Precision and Recovery Laboratory No.: 2004-1103-036

Sample Information

Client Sample ID:	AR-11-04-PROTO
Collection Date:	November 2, 2004
Collection Time:	1100 hrs
Matrix:	raw surface water
Sample Turbidity (NTU):	7.08
Sample Type:	field

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	/ (//dig t/ out / / t out / z	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	D	0

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-1103-043



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: December 20, 2004

Sample Receipt Date: December 8, 2004

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2004-1208-037

Quality Control Batch No.: 299-12

Method Blank Laboratory No.: 2004-1208-026

Ongoing Precision and Recovery Laboratory No.: 2004-1208-025

Sample Information

Sumple in circums	
Client Sample ID:	AR-12-04-PROT
Collection Date:	December 7, 2004
Collection Time:	1115 hrs
Matrix	raw surface water
Sample Turbidity (NTU):	9.04
Sample Type:	field

Volume and Filtration Information

0,0,0,0		
Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Volume Examined (L):	10.0*	

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2004-1208-036



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Sample Receipt Date: January 5, 2005

Report Date: January 20, 2005

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2005-0105-040

Quality Control Batch No.: 303-12

Method Blank Laboratory No.: 2005-0105-036

Ongoing Precision and Recovery Laboratory No.: 2005-0105-035

Sample Information

Client Sample ID:	AR-01-05-PROTO	
Collection Date:	January 4, 2005	
Collection Time:	1100 hrs	
Matrix:	raw surface water	
Sample Turbidity (NTU):	7.29	
Sample Type:	field	

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	1.0	0.1
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0105-039



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Sample Receipt Date: February 9, 2005

Report Date: March 3, 2005

Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2005-0209-051

Quality Control Batch No.: 308-12

Method Blank Laboratory No.: 2005-0209-032

Ongoing Precision and Recovery Laboratory No.: 2005-0209-031

Samula Information

Garrigo Garria		
Client Sample ID:	AR-02-05-PROTO	
Collection Date:	February 8, 2005	
Collection Time:	1049 hrs	
Matrix:	raw surface water	
Sample Turbidity (NTU):	9.33	
Sample Type:	field	

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	1.0	0.1

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0209-050



Tarrant Regional Water District

140 FM416 Address:

Streetman, TX 75859-3019

Report Date: March 31, 2005

Sample Receipt Date:

March 10, 2005

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2005-0310-027

Quality Control Batch No.: 312-22

Method Blank Laboratory No.: 2005-0310-024

Ongoing Precision and Recovery Laboratory No.: 2005-0310-023

Sample Information

Sample monitori		
AR-3-05-PROTO		
March 8, 2005		
1030 hrs		
raw surface water		
10.0		
field		
	AR-3-05-PROTO March 8, 2005 1030 hrs raw surface water 10.0	

Volume and Filtration Information

Volume and mount		
Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Volume Examined (L):	10.0*	

Analytical Results

	, ,	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	. 0
Oryptooportain.		

1 Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0310-025



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: April 25, 2005

Sample Receipt Date: April 6, 2005

Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report**

ASi Sample ID No.: 2005-0406-041

Quality Control Batch No.: 316-22

Method Blank Laboratory No.: 2005-0406-039

Ongoing Precision and Recovery Laboratory No.: 2005-0406-038

Sample Information

	P, 0 1111 01211	
Public Water System (PWS) or Client Name:	TRWD	PWSID# INP
Facility Name	INP	Facility ID # INP
Sample Collection Point Name:	AR Pump Station	
Sample Collection Point or Sample ID	AR-04-05-PROTO	
- Aviditix	i iivi	TORINA 11 1
Sample Type:		Tubidity (NTU): 11.1 Time Collected (Military): 1000 hrs
Date Collected (MM/DD/YY):	04/05/05	HIME:Gonedled (willtary) and 1000 mg

INP = Information Not Provided

Volume and Filtration Information

y Oldille ul	Ju Thuadon in the
Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	Allalylical Recuite	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0406-040



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

May 25, 2005

Sample Receipt Date:

May 4, 2005

Analyst: jh

# USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-0504-032

Quality Control Batch No.: 320-12

Method Blank Laboratory No.: 2005-0504-022

Ongoing Precision and Recovery Laboratory No.: 2005-0504-021

Sample Information

Sam	pic illivilliador	
Public Water System (PWS) or Client Name:	TRWD	PWSID#: INP
Facility Name:	INP	Facility ID#: INP
Sample Collection Point Name:		
Sample Collection Point or Sample ID:		
Matrix:		0.05
Sample Type:	Field	Tubidity (NTU): 9.85
Date Collected (MM/DD/YY):	05/03/05	Time Collected (Military): 1034 hrs

INP = Information Not Provided

Volume and Filtration Information

Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	, 11, 101, y 2, <del>0 31, 1 = 0 = = =</del>	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED#/L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup>Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0504-031



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: June 23, 2005

Sample Receipt Date: June 8, 2005

Analyst:

## USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-0608-018

Quality Control Batch No.: 325-12

Method Blank Laboratory No.: 2005-0608-010

Ongoing Precision and Recovery Laboratory No.: 2005-0608-009

Sample Information

	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
Public Water System (PWS) or Client Name:	TRWD	PWSID#: INP
Facility Name:	INP	Facility ID#: INP
Sample:Collection:Point Name:		
Sample Collection Point or Sample ID:	AR 06/05 Proto	
Matrix:	Raw Surface Water	740
Sample Type:	Field	Tubidity (NTU): 7.12
Date Collected (MM/DD/YY):	06/07/05	Time Collected (Military): 1125 hrs

INP = Information Not Provided

Volume and Filtration Information

y Oldille all	4 7 77 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

1 Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0608-017



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

July 27, 2005

Sample Receipt Date:

July 13, 2005

Analyst:

## USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-0713-028

Quality Control Batch No.: 330-12

Method Blank Laboratory No.: 2005-0713-020

Ongoing Precision and Recovery Laboratory No.: 2005-0713-019

Sample Information

Sanı	Die illigituation	
Public Water System (PWS) or Client Name:	TRWD	PWSID#:: INP
Facility Name:	INP	Facility:ID:#:: INP
Sample Collection Point Name:	INP	
Sample Collection Point or Sample ID:	AR Proto 7/05	
Matrix:	Raw Surface Vvalet	Tubidity (NTU): 6.05
Sample Type:	1 1014	ne Collected (Military): 1019 hrs
Date:Collected (MM/DD/YY):	0//12/05   1   1   1   1   1   1   1   1   1	Be Concocca (tvinter) // 1

INP = Information Not Provided

Volume and Filtration Information

volulle all	U   IIII UII OII III O
Filter Type:	Gelman HV
Volume Filtered (L):	10.0
Volume Examined (L):	10.0*

Analytical Results

	Allalytical Nesults	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Clardia	0	0
Giardia		0
Cryptosporidium	U	

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0713-028



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: September 14, 2005

Sample Receipt Date:

August 3, 2005

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2005-0803-017

Quality Control Batch No.: 333-12

cmb

Method Blank Laboratory No.: 2005-0803-015

Ongoing Precision and Recovery Laboratory No.: 2005-0803-014

Sample Information

	<u></u>	
Public Water System (PWS) or Client Name:	TRWD	
Facility Name:	INP	Facility ID #: INP
Sample Collection Point Name:	Pierce-Birch Puni	p Station
Sample Collection Point or Sample ID:	AR-08-05-PROTC	)
Matrix:	Raw Surface Wat	erer
Sample Type:	Field	Lubialty (N.LU) 0.34
Date Collected (MM/DD/YY):	08/02/05	Time Collected (Military) 0945 hrs

INP = Information Not Provided

Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	0.5	
Volume Examined (L):	10.0*	

Analytical Results

Arrarytical Acousto		
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	D
Cryptosporidium	0	0

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

2 Note:

Met applicable Method 1623 acceptance criteria.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0803-016



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

September 22, 2005 September 7, 2005

Sample Receipt Date:

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-0907-019

Quality Control Batch No.: 338-12

Method Blank Laboratory No.: 2005-0907-031

Ongoing Precision and Recovery Laboratory No.: 2005-0907-030

Sample Information

Ou.ii	0,0,,,,,		
Public Water System (PWS) or:Client Name:	TRWD	PWSID #:: INP	
Facility Name:	INP	Facility ID## INP	
Sample Collection Point Name:	Arlington Pump St	tation	
Sample Collection Point or Sample ID:	AR-09-05-PROTO		
Matrix:	Raw Surface Water	er	
Sample Type:	Field	Lubidity (NTU): 6.45	
Date Collected (MM/DD/YY):	09/06/05	Time Collected (Military): 1020 hrs	

INP = Information Not Provided

Volume and Filtration Information

. 0, 0, 1, 1		
Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	1.0	
Volume Examined (L):	10.0*	

Analytical Results

	, ,,, ,, ,	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup>Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-0907-018



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: October 24, 2005

Sample Receipt Date:

October 5, 2005

cmb Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-1005-033

Quality Control Batch No.: 342-12

Method Blank Laboratory No.: 2005-1005-024

Ongoing Precision and Recovery Laboratory No.: 2005-1005-023

Sample Information

Sample information			
Public Water System (PWS) or Client Name:	TRWD	PWSID#: INP	
Facility Name:	i INP	Facility ID# INP	
Sample Collection Point Name:	Arlington Pump S	Station	
Sample Collection Point or Sample ID:	AR-10-05-PRO 1	<u> </u>	
Matrix:	Raw Surface Wa	ter	
Sample Type:		Turbidity (NTU):: 8.38	
Date Collected (MM/DD/YY):	10/04/05	Time Collected (Military): 1025 hrs	

INP = Information Not Provided

Volume and Filtration Information

Volume and Pheraden models		
Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	1.0	
Volume Examined (L):	10.0*	
Volume Essential (7)		

Analytical Results

	Allary treat Neodine	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0.
Cryptosporidium	0	0

<sup>1</sup>Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-1005-032



Client: Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

November 22, 2005

Sample Receipt Date:

November 9, 2005

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2005-1109-026

Quality Control Batch No.: 3472

Method Blank Laboratory No.: 2005-1107-002

Ongoing Precision and Recovery Laboratory No.: 2005-1107-001

Sample Information

	, , , , , , , , , , , , , , , , , , , ,	
Public Water System (PWS) or Client Name:	TRWD	PWSID #: INP
Facility Name:	INP	Facility ID #: INP
Sample Collection Point Name:		ion
Sample Collection Point or Sample ID:	AR-11-05-PROTO	
Matrix:	Raw Surface Water	
Sample Type:	Field	Turbidity (NTU): 10.3
Date Collected (MM/DD/YY):		Time Collected (Military): 1030 hrs

INP = Information Not Provided

Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	1.0	
Volume Examined (L):	10.0*	<u> </u>

Analytical Results

	Analytical Nesults	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED#/L
Giardia	0	0
Cryptosporidium	0	0

1 Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-1109-026



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: December 12, 2005

Sample Receipt Date: December 7, 2005

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2005-1207-037

Quality Control Batch No.: 351-12

Method Blank Laboratory No.: 2005-1207-028

Ongoing Precision and Recovery Laboratory No.: 2005-1207-027

Sample Information

P. C	
TRWD	PWSID#: INP
INP	Facility ID:#: INP
AR Pump Station	
AR-12-05-PROT	
Raw Surface Water	
Field	Turbidity (NTU) 11.9
12/6/05	Time Collected (Military): 1050 hrs
	TRWD INP AR Pump Station AR-12-05-PROT Raw Surface Water Field

INP = Information Not Provided

Volume and Filtration Information

Volume una me una		

Analytical Results

	Allary a cui i resurte	
ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	D	0
Cryptosponatam		

1 Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup>Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2005-1207-036



Tarrant Regional Water District

9033897587

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: January 9, 2006

Sample Receipt Date:

January 4, 2006

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium Analytical Report

ASI Sample ID No.: 2006-0104-029

Quality Control Batch No.: 355-12

Method Blank Laboratory No.: 2006-0104-036

Ongoing Precision and Recovery Laboratory No.: 2006-0104-035

Sample Information

<del></del>		
Public Water System (PWS) or Client Name:	TF:WD	PWSID#: INP
Facility Name:		Facility ID #:   INP
Sample Collection Point Name:		
Sample Collection Point or Sample ID:	AF:-01-06-PROT	
Matrix:	INP	
Sample Type:	Field	Turbidity (NTU):   12.6
Date Collected (MM/DD/YY):	01/03/06	Time Collected (Military): 1120 hrs
	- IL Harris	The state of the s

INP = information Not Provided

Volume and Filtration Information

	Filter Type:	Gelman HV
i	Volume Filtered (L):	10.0
	Packed Peliet Volume (mL):	0.9
1	Volume Examined (L):	10.0*

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT/VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

1 Method:

Samples processed, stained and examined using USEPA Method 1623; Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

² Note:

Mel applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2006-0104-027



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date:

January 9, 2006

Sample Receipt Date:

January 4, 2006 Analyst:

#### USEPA Method 1623<sup>1</sup> Giardia and Cryptosporidium **Analytical Report** Matrix Spike

ASI Sample ID No.: 2006-0104-030

Quality Control Batch No.: 355-12

Method Blank Laboratory No.: 2006-0104-036

Ongoing Precision and Recovery Laboratory No.: 2006-0104-035

Sample Information

	7= 1 - 11 11 11 11 11 11 11 11 11 11 11 11		
Public Water System (PWS) or Client Name:	TRWD	PWSID #:	INP
Facility Name:	INP	Facility ID #:	INP
Sample Collection Point Name:			
Sample Collection Point or Sample ID:			
Matrix:	Raw Surface Water		
Sample Type:	Matrix Spike <sup>3</sup>	Turbidity (NTU):	12.6
Date Collected (MM/DD/YY):	01/03/06	Time Collected (Military):	1120 hrs

INP = Information Not Provided

#### Volume and Filtration Information

Filter Type:	Gelman HV	
Volume Spiked (L):	10.0	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	0.9	
Volume Examined (L):	10.0*	

Analytical Results

ANALYTE	ESTIMATED NUMBER OF ORGANISMS SPIKED	NUMBER OF ORGANISMS SEEDED / LITER	TOTAL MICROSCOPIC COUNT / LITER	PERCENT RECOVERY
Giardia	98	9.8	6.0	61.2
Cryptosporidium	99	9.9	6.9	69.7

<sup>1</sup>Method: Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Giardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

<sup>2</sup> Note:

Met applicable Method 1623 acceptance criteria.

<sup>3</sup> Note:

A Matrix Spike entails spiking and analyzing a separate field sample to determine the effect of the water matrix on the method's opcyst and cyst recovery. MS samples are analyzed when samples are first received from a new source and every 20th sample thereafter, Percent recoveries are calculated for MS samples to evaluate acceptance criteria of method performance. Calculations are corrected for organisms found in the corresponding field sample.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2006-0104-027



Tarrant Regional Water District

Address:

140 FM416

Streetman, TX 75859-3019

Report Date: February 14, 2006

Sample Receipt Date:

February 8, 2006

Analyst:

#### USEPA Method 16231 Giardia and Cryptosporidium **Analytical Report**

ASI Sample ID No.: 2006-0208-038

Quality Control Batch No.: 360-12

Method Blank Laboratory No.: 2006-0208-020

Ongoing Precision and Recovery Laboratory No.: 2006-0208-019

Sample Information

Public Water System (PWS) or Client Name:	TRWD	PWSID#: INP
Facility Name:		Facility ID #:   INP
Sample Collection Point Name:	Pierce-Birch Pump S	Station
Sample Collection Point or Sample ID:	AR-02-06-PROT	
Matrix:	Raw Surface Water	
Sample Type:		Turbidity (NTU): 14.1
Date Collected (MM/DD/YY):	02/07/06	Time Collected (Military): 1047 hrs

INP = Information Not Provided

Volume and Filtration Information

		-
Filter Type:	Gelman HV	
Volume Filtered (L):	10.0	
Packed Pellet Volume (mL):	0.9	
Volume Examined (L):	10.0*	

Analytical Results

ANALYTE	TOTAL MICROSCOPIC COUNT / VOLUME EXAMINED	CALCULATED # / L
Giardia	0	0
Cryptosporidium	0	0

<sup>1</sup> Method:

Samples processed, stained and examined using USEPA Method 1623: Cryptosporidium and Glardia in Water by Filtration, Immunomagnetic separation (IMS), and Immunofluorescence Assay (IFA) Microscopy (USEPA, June 2003).

2 Note:

Met applicable Method 1623 acceptance criteria.

\*Note:

Two (2) aliquots of 5.0 liters each were examined using IMS and IFA.

PWS ID: 2200199

Facility Name: TRA Tarrant County Water Supply Project

Facility ID: NA

Project No.: 2006-0208-037